

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1. (previously presented) A method of recycling bonded fibrous materials, the method comprising,

- providing pieces of bonded fibrous materials comprising synthetic fibrous material, the pieces having sizes that are adapted for suspension in a liquid;
- suspending the discrete pieces of bonded fibrous materials in a liquid;
- applying mechanical work to the liquid suspension of discrete pieces to generate hydraulic pressure and mechanical shear stress conditions sufficient to hydraulically fragment the bonded fibrous materials into fibers and fiber-like components; and
- separating substantially individual fibers and fiber-like components from the liquid.

Claim 2. (original) The process of claim 1 wherein the step of providing discrete pieces of bonded fibrous materials comprises an operation to reduce the size of unitary bonded fibrous materials into discrete pieces that are adapted for suspension in a liquid, the operation being selected from mechanical shredding, mechanical cutting, mechanical tearing, mechanical grinding, water jet cutting, laser cutting, garnetting and combinations thereof.

Claim 3. (original) The process of claim 1 wherein the mechanical work is applied to the liquid suspension utilizing a combination of blades mounted on a rotating roll and blades mounted on a fixed plate to generate areas of very high hydraulic pressure and mechanical shear stress.

Claim 4. (original) The process of claim 3 wherein the blades mounted on the fixed plate are aligned at an angle in at least one dimension with respect to the direction of rotation of the rotating blades.

Claim 5. (original) The process of claim 4 wherein the angle is between 20 degrees and 70 degrees.

- Claim 6. (original) The process of claim 1 wherein the mechanical work is applied to the suspension in multiple stages.
- Claim 7. (original) The process of claim 6 wherein mechanical work is applied to the suspension utilizing a first stage under conditions to generate hydraulic pressure and mechanical shear stress sufficient to wet the pieces of bonded fibrous materials and separate at least some portions of fibers and fiber-like components from the bonded materials and utilizing a second stage under conditions to generate hydraulic pressure and mechanical shear stress conditions sufficient to rupture the bonded fibrous materials, fibers and fiber-like components into substantially individual fibers and fiber-like components.
- Claim 8. (original) The process of claim 6 wherein the clearance between the rotating blades and the fixed blades at the closest point during the first stage is between about 20 millimeters and about 100 millimeters and between about 1 millimeter and about 20 millimeters during the second stage.
- Claim 9. (original) The process of claim 1 wherein the amount of mechanical work applied to the liquid suspension is greater than about 6 Horsepower – 24 hours per dry ton of bonded fibrous material.
- Claim 10. (original) The process of claim 1 wherein the bonded fibrous materials are selected from woven fabrics, knitted fabrics, nonwoven webs and combinations thereof.
- Claim 11. (original) The process of claim 10, wherein the nonwoven webs are webs that are thermally bonded, adhesively bonded, mechanically entangled, solvent bonded, hydraulically entangled and combinations thereof.
- Claim 12. (previously presented) The process of claim 1 wherein the bonded fibrous materials further comprise natural fibrous materials.
- Claim 13. (previously presented) The process of claim 1 wherein the synthetic fibrous material includes thermoplastic fibers and filaments.
- Claim 14. (original) The process of claim 1 wherein the substantially individual fibers and fiber-like components have a relatively uniform length distribution.

Claim 15. (original) The process of claim 14, wherein the fiber and fiber-like material has a length distribution that spans approximately 7 millimeters.

Claims 16 – 27 (cancelled)